User Manual for AquaLight-Dimmcontroller

Connect the controller and the adaptor to the mains supply. (Display shows Version: 2.0 or newer)
Note: Check mini plug of the adaptor for correct polarity !

Cable assignment for dimming signal:

Red:	1-10Volt-signal	(Connect to elec. ballast 1-10Volt(analogue dimmable))
White:	DSI-signal	(Connect to elec. ballast DSI (digital dimmable))
Copper:	Earth	
depending of ballast type:		analog/1-10V: Red (+) and Copper (-)
		or digital / DSI: White and Copper (each polarity)

The screen displays scrolling text or numbers which refer to:

1. Time:	**time now**	2:26 nachm.
2. Dim start:	**morning**	at 10:30 a.m
3. Dim end:	**evening**	at 8:30 p.m
4. Light intensity after dimming:	**current**	val 100%
5. Type of dimming signal:	**output**	DSI **or** 1-10V

All settings remain unchanged even after power loss.
With ENTER◄ (right button) you can select a program or save values.
The UP/DOWN button ▲▼let you scroll up or down, reduce or increase values.

Attention !
The producers of T5 tubes recommend 100 hours of use on full power before dimming without problems is possible.

Menu description:

1. back	Return
2. manual	Hand control
3. set prog	Dim start/end, set dimming time
4. set sys	System setup display / type of dim signal / Time

1. Hand control:
in menu: manual
to dim manually

Action button:	Display	Meaning
Enter-botton◄	back	
Down botton ▼ (to "**manual**")		
Enter-botton◄	manual X / 100	
Set light intensity:••(1=1%)	manual 99/100 (=99%)…..	
Enter-botton◄	manual	(set value)
DOWN botton ▼ (to "**back**")		
Enter-botton◄	Scrolling display	

2. Setting dim time:
in menu: set prog

Action button:	Display	Meaning
Enter-botton◄	back	
Down botton ▼ (to "**set prog**")	set prog	
Enter-botton◄	morning	(Dimmstart / UP)
Enter-botton◄	dimmtime	
Enter-botton◄	dimmtime (time blinking)	
Dimmparameter change:••	dimmtime	(Dimmstart set)
Enter-botton◄	dimmtime	(Dimmstart set)
DOWN botton ▼ (to "**duration**")	duration	(duration of dimming)
Enter-botton◄	duration (time blinking)	
Dimmparameter change:••	duration	(duration of dimming)
Enter-botton◄	duration	(set value)
DOWN botton ▼ (to "**brightn**")	brightn	(Light intensity in Prozent)
Enter-botton◄	brightn (value blinking)	
Dimmparameter change:••	brightn	(Light intensity in Prozent)
Enter-botton◄	brightn	(set value)
DOWN botton ▼ (to "**back**")	back	
Enter-botton◄	morning	
DOWN botton ▼ (to "**evening**")	evening	(Dimmstop / DOWN)

	Enter-botton◄	dimmtime	
	Enter-botton◄	dimmtime (time blinking)	
	Dimmparameter change:••	dimmtime	(Dimmstop set)
	Enter-botton◄	dimmtime	(set value)
	DOWN botton ▼ (to "**duration**")	duration	(duration of dimming)
	Enter-botton◄	duration (time blinking)	
	Dimmparameter change:••	duration	(duration of dimming)
	Enter-botton◄	duration	(set value)
	DOWN botton ▼ (to "**brightn**")	brightn	(Light intensity in Prozent)
	Enter-botton◄	brightn (value blinking)	
	Dimmparameter change:••	brightn	(Light intensity / **OFF is Zero** !!!)
	Enter-botton◄	brightn	(set value)
	DOWN botton ▼ (to "**back**")	back	
	Enter-botton◄	evening	
	DOWN botton ▼ (to "**back**")	back	
	Enter-botton◄	set prog	
	DOWN botton ▼ (to "**back**")	back	
	Enter-botton◄	Scrolling display	
	Action button:	Display	Meaning
3. System setup:	Enter-botton◄	back	
in menu: set sys	DOWN botton ▼ (to "**set sys**")	set sys	
	Enter-botton◄	illum	
	Dimmparameter choose:••	illum	(Display intensity)
	Dimmparameter choose:••	contrast	(Display contrast)
	Dimmparameter choose:••	outmode	(kind of dimmsignal: DSI **or** 1-10V)
	Dimmparameter choose:••	set time	(real time)
	Dimmparameter change:••		
	Enter-botton◄		(set value)
	DOWN botton ▼ (to "**back**")		
	Enter-botton◄	set sys	
	DOWN botton ▼ (to "**back**")		
	Enter-botton◄	Scrolling display	

Additional option (now included) ! :

USB-Converter with software/windows-version to create your own light szene: like clouds, thunderstorm…
After creating your light szene just connect the dimmcontroller with the USB-port and load the programm

USB converter: for programming the dimmer per computer

Install the software on your Computer.
Connect your DSI controller to the computer using the supplied USB cable.
Click the button labelled "Verbindung herstellen" after switching on the controller.
The set values from your DSI controller will be uploaded into the software.
If the values need to be changed, simply delete them and input new ones into the right panel of the window..
Click "laden" at any time to upload the actual values from the controller into the software window.

Helligkeit Morgen:
move this slider to a suitable position to set the brightness after sunrise. 100% is the maximum

Helligkeit Abend:
move this slider to a suitable position to set the brightness after sunset. 0% will switch off lamp

Simulating clouds:
Each row can be used to programm the start, intensity and duration of one cloud.
1. Wolkenstart/cloud start: 4 digits / 2 for hour input and 2 for minute input
2. Intensität/brightness: 2 digits / Note: value should not be greater than "Helligkeit Morgen"
3. Dauer/duration: 1-3 digits in minutes

After programming, click "Speichern" to save.
The values will then be transferred to the controller which will carry on independent of the computer.
The software version will be displayed on startup. (at the moment: version 1.0)
We are still working on a graph which will plot time against intensity depending on the programmed values.
Please inform yourself about updates.

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